

A brief summary of some of the most important maths concepts to be taught in Year 4

1. Choose appropriate methods

This section is concerned with getting children to make decisions about:

Which operation is involved in word problems

Whether calculations should be done mentally or with pen and paper.

How to explain and record the operations used in solving the problem.

Our worksheets focus on examples and draw children's attention to these issues, but it is important to realise that these decisions should be taken by children in most things they do in mathematics, so encourage them to discuss their work wherever possible.

They should be able to make up number stories about calculations; in other words, make up their own problems.

Here is an example of how **not** to do it!

Teacher: 'Paul, tell me a story about the sum $16 + 5 = 21$ '

Paul: 'Two rabbits were walking down the road. One said to the other "What's sixteen add five?". The other rabbit said "That's easy, twenty-one".'

The teacher was expecting something along the lines: 'Mary had sixteen stamps. She bought another five. Now she had **21** altogether'.

Another example of a number story: Sarah has **85p** pocket money each week. In four weeks she receives **340p** or **£3.40**.

Children should also be able to deduce an operation in a sum.

e.g. In the sum $24 * 5 = 120$, the $*$ stands for multiplication.

Lastly, they should be able to study the subtraction of different pairs of numbers and state and justify which is the easiest and which is the hardest to do. This really makes them think about the operation of subtraction.

Using And Applying Maths Year 4

Bill Leask



Using And Applying Maths Year 4:

We Can Do It! Year 4 Using and Applying Maths Challenges Peter Clarke, Reader in Modern History and Fellow Peter Clarke, 2014-11 Learning how to use and apply maths to solve problems is a critical aspect of children's mathematical development during their time at primary school Our We Can Do It series offers stimulating problem solving challenges that inspire genuine mathematical thinking *Key Concepts in Teaching Primary Mathematics* Derek Haylock, 2007-09-17 Covering the key principles and concepts in the teaching and learning of mathematics in primary schools this text provides trainee and practising teachers with a quick and easy reference to what they need to know for their course and in the classroom The entries are arranged alphabetically and each contains a brief definition followed by an explanation and discussion practical examples and annotated suggestions for further reading Examples of the wide ranging material include Anxiety about mathematics Assessment for Learning Cognitive conflict Concept learning Creativity in mathematics Differentiation Equivalence Explanation Investigation Low attainment Making connections Meaningful context Mental calculation Numeracy Play as a context for learning mathematics Problem solving Questioning Talk *Key Stage 3 Mathematics* Annie Gammon, 2002 An essential file to support teachers and heads of department by bringing together all the recent developments and issues of concern in Key Stage 3 mathematics In fact it's a complete guide to successful planning teaching and assessment work as a team to develop a clear departmental vision translate that vision into planning specific examples of good practice guided INSET activities for the whole team help with differentiation classroom organisation and transition for Year 7 children [Year 4 Maths Word Problems](#) Peter Sumner, 2013-05 *Mathematics Across the Curriculum* Sue Fox, Liz Surtees, 2010-07-08 Looks at the theory and practice of providing inspiring challenging and engaging cross curricular mathematics lesson *Move On Maths! Ages 7-9* John Taylor, 2018-10-24 Move on Maths offers versatile tried and tested maths resources for 7 9 years for you to use in the way that is most suitable for your pupils The units give you flexible ideas rather than prescriptive lessons and support the Renewed Primary Framework for mathematics The PNS Framework objectives are clearly shown for every sheet followed by unit learning outcomes so it's easy to choose the right worksheet to suit you and your children's needs Contains more than fifty stand alone photocopiable units in four strands to be used in class or as homework tasks complete with teachers notes and answers to help your planning Broadens understanding of four key numeracy strands from the Renewed Primary Framework Using and applying mathematics Understanding Shape Measuring Handling Data Contains a bank of short sharp exercises problems and fun starter activities and games to kick start your maths lesson with the whole class Includes challenges to extend your gifted and talented learners or early finishers Covers PNS Framework objectives and learning outcomes for a two year span Year 3 and 4 Ideal for mixed age classes **Year 4** Jo Chambers, Leslie Foster, 2003 **Developments in Primary Mathematics Teaching** Ann Sawyer, 2020-03-13 This book originally published in 1993 addresses the issues surrounding the teaching of mathematics

in primary school at the time The author considers the issues that had arisen through the introduction of the National Curriculum both in terms of the current state of the art and new developments

Move On Maths Ages 9-11 John Taylor, 2018-10-24 Move on Maths offers versatile tried and tested maths resources for nine to eleven years for you to use in the way that is most suitable for your pupils The units give you flexible ideas rather than prescriptive lessons and support the Renewed Primary Framework for mathematics The PNS Framework objectives are clearly shown for every sheet followed by unit learning outcomes so it's easy to choose the right worksheet to suit you and your children's needs contains more than fifty stand alone photocopiable units in four strands to be used in class or as homework tasks complete with teachers notes and answers to help your planning broadens understanding of four key numeracy strands from the Renewed Primary Framework Using and applying mathematics Understanding Shape Measuring Handling Data contains a bank of short sharp exercises problems and fun starter activities and games to kick start your maths lesson with the whole class includes challenges to extend your gifted and talented learners or early finishers covers PNS Framework objectives and learning outcomes for a two year span Year 5 and 6 ideal for mixed age classes

Key Maths David Miller, 2001 This series of resources provides comprehensive support for the Framework for Teaching Mathematics for Year 8 with particular emphasis on a three part mathematics lesson The materials are fully linked to Key Maths and address the beginning and end of the typical lesson structure outlined in the Framework The activities within the packs provide a variety of presentational models including opportunities for interactive oral work direct teaching and paired or group activity work to encourage pupils to engage in mathematical conversation This ICT resource pack provides full details on developing and supporting ICT work in mathematics Full range of additional worksheets that build on the activities in the CD ROM and linked to the National Curriculum The pack makes full reference to DfEE ICT guidelines and other requirements

Nature Sir Norman Lockyer, 1886 *The Education Gazette of the Province of the Cape of Good Hope* Cape of Good Hope (South Africa). Education Department, 1924 **Journal of Education and School World**, 1911 *Farmer's Weekly*, 1928 Learning to Teach Mathematics Maria Goulding, 1997 This resource has been written for students and newly qualified teachers of secondary mathematics and school based mentors **BOOK JACKET** **Which Degree 4** Bill Leask, 1990 *The Australian Mathematics Teacher*, 1991 The Church Times, 1904 **A Compendium of University Entrance Requirements for First Degree Courses in the United Kingdom** Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, 1984 **The Spectator**, 1910 A weekly review of politics literature theology and art

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